

TDMA 5.8G 900Mbps Wireless Bridge

Model: WM8acPtP



Description:

WM8acPtP is a high-performance, high-speed outdoor long-distance wireless bridge. It has the characteristics of long transmission distance, strong penetration ability, anti-interference ability.

Main Features:

- The use of specialized TVS lightning protection devices enhances the product's ability to withstand harsh environments.
- Built in 18dBi dual polarization directional antenna, up to 10km for PTP/ PTmP distance.
- Support non-standard frequency points: 4.9-6.1GHz.
- Support 5, 10MHz narrowband operating bandwidth
- Support ATPC, IPv6, TDMA.

Hardware Specification:

Model	WM8acPtP				
CPU	QCA9563+QCA9882+QCA8334				
Flash	SPI NOR 16MB				
DDR	DDR2-128MB				
5G frequency	5.150GHz~5.850GHz				
5G WIFI protocol	802.11 a / n /ac				
Max rate	900Mbps				
Antenna	Internal 18dBi directional panel antenna				
5G TX Power	802.11a	54M	23±2dBm	6M	26±2dBm
	802.11n HT20	MCS7	22±2dBm	MCS0	26±2dBm
	802.11n HT40	MCS7	22±2dBm	MCS0	26±2dBm
	802.11ac VHT20	MCS9	21±2dBm	MCS0	26±2dBm
5G	802.11ac	MCS9	21±2dBm	MCS0	26±2dBm

Receiving Sensitivity	VHT40				
	802.11ac VHT80	MCS9	21 ± 2dBm	MCS0	26 ± 2dBm
	802.11a	54M	-75dBm	6M	-92dBm
	802.11n HT20	MCS7	-72dBm	MCS0	-90dBm
5G EVM	802.11a_54M: ≤ -25 dB; 802.11n_MCS7: ≤ -28 dB; 802.11AC_MCS9: ≤ -32 dB				
ppm	±20ppm				
WAN	1*10/100/1000M WAN, support 24V~48V passive POE				
LAN	1*10/100/1000M LAN				
Power	PoE 24V~48V passive POE, DC 12~24V				
Max Power Consumption	<10W				
Reset	Press 2-5 seconds for pairing, 10seconds for factory resetting.				
Switch button	Set Master/ Slave working mode				
Indicators	SYS, WAN, LAN, Signal*5				
Dimension	268mm*115mm*45mm				
Weight	0.48kg				
Temperature	Working: -40°C to 70°C; Storage: -40°C to 70°C; Humidity: 5% ~ 95% (Non-Condensing)				
IP Grade	IP65				
ESD	Air: ±8K, Touch: ±6K				
Electrical Surge	Common Mode: 4K, Differential Mode: 2K				

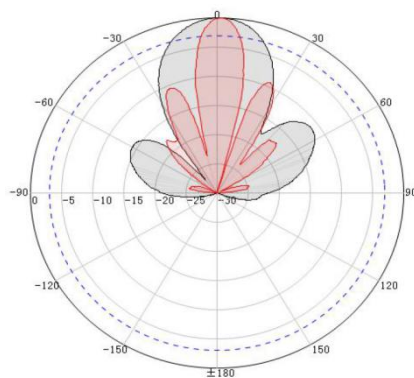
Firmware Specification

Working mode	Access Point (Automatic WDS), Access Point (TDMA3), Site (WDS/TDMA3), Site (ARPNAT)
Wireless	Intelligent dynamic polling, automatic channel selection, automatic modulation mode selection, automatic transmission power control (ATPC)
Wireless Safety	WPA/WPA2 personal encryption, WPA/WPA2 enterprise encryption, WACL, user isolation

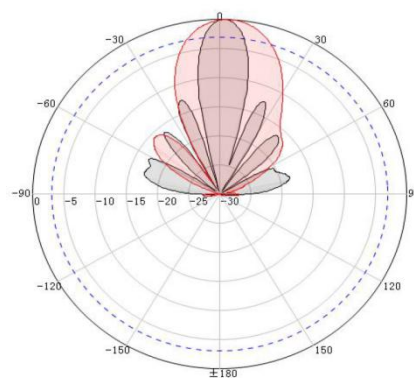
Wireless QoS	TDMA implements 4 queue priority
Network mode	IPv4 IPv6
VLAN	Support VLAN and VLAN transparent transmission
WAN protocol	Static IP, DHCP client
Service	DHCP service, SNMP service, NTP client, route tracking, ping watchdog
Management	HTTP(S) GUI, SSH, SNMP read, WNMS, Telnet
Built Tool	Site survey, connection testing, antenna calibration

Antenna Specification

Horizontal polarization

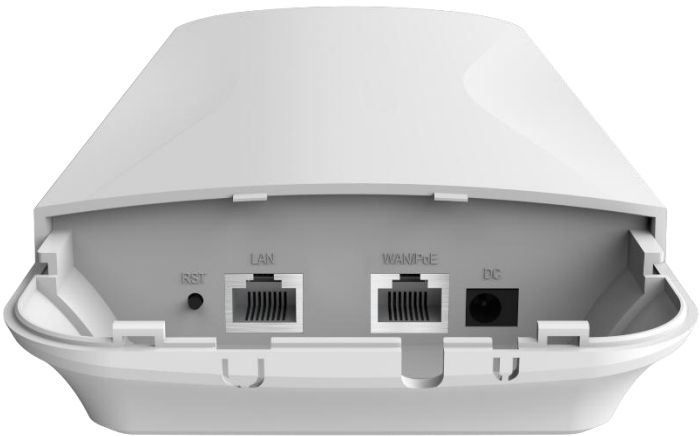


Vertical polarization

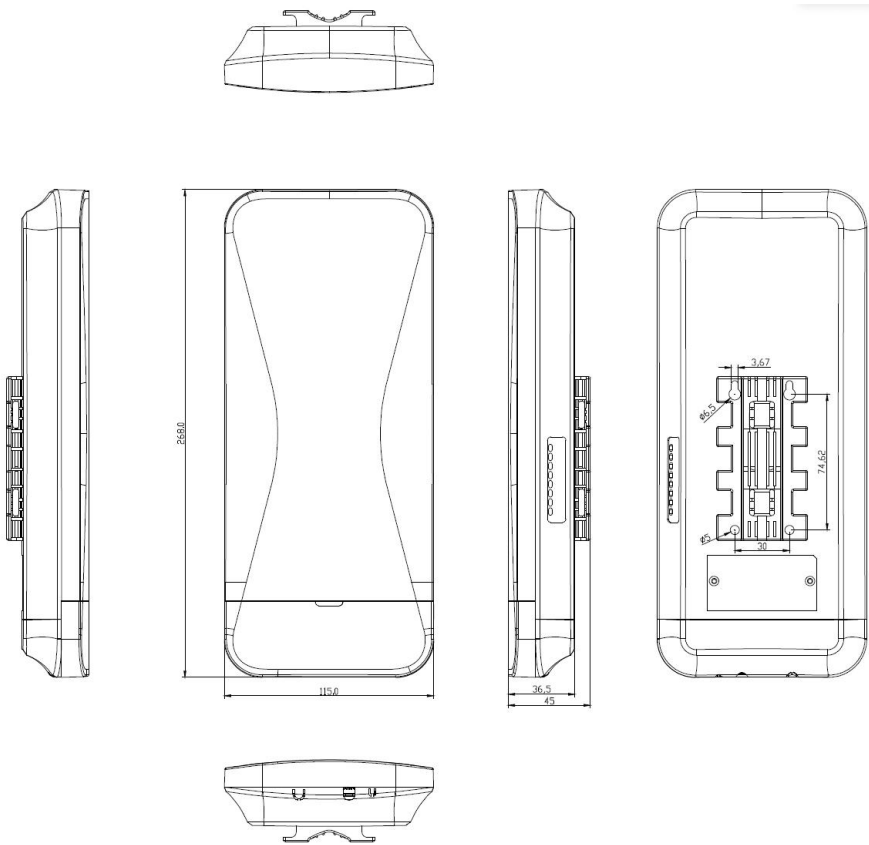


Built in Antenna	
Working frequency	5180 ~5850 MHz
Gain	18 dBi
Polarization mode	Vertical/horizontal dual polarization
Horizontal beam angle	30°
Vertical beam angle	15°

Interface:



Dimension:



Accessory

CPE	1
PoE adapter	1
Guide manual	1

Gift Box	1
----------	---